THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) The Government is encouraging promotion of biomass based off-grid small power projects for meeting unmet demand of electricity in electrified/ un-electrified villages in the country under various programmes *viz.* Village Energy Security Programme (VESP), Remote Village Electrification Programme (RVEP) and Biomass Gasifier programme.

(b) Biomass based systems/devices are encouraged for meeting *inter-alia* electricity needs under VESP. The RVEP aims to provide basic facilities of lighting/electricity in those remote, un-electrified census villages and remote un-electrified hamlets of electrified census villages, where grid connectivity is either not feasible or not cost effective, through various renewable energy sources, including biomass. Under RVEP, support has been provided for electrification of 47 villages/hamlets; using biomass gasifier systems in the country including 10 villages/hamlets in Orissa. A total of 78 test projects have been taken up under VESP for implementation in 11 states including 12 test projects in Orissa.

(c) So far, 608 small hydro power projects (upto 25 MW station capacity) with an aggregate capacity of 2015 MW have been set up in the country. The annual estimated generation from these projects is 4028 million units per year.

(d) A target of adding 1400 MW from small hydro power has been planned during the 11th Five Year Plan.

Assessment of power generation capacity in bio-mass sector

†1408. DR. MURLI MANOHAR JOSHI:
SHRI RAJ MOHINDER SINGH MAJITHA:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is a fact that Government has made an assessment of the power generation capacity in bio-mass sector in the country;

(b) if so, the details thereof;

(c) the total quantum of power that was being generated in this sector till March, 2007; and

(d) the target fixed by Government for installing the power generation capacity in this sector in the country by 2012?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) Yes, Sir. The Government has sponsored a project on "National Biomass Resource Atlas" to the Indian Institute of Science, Bangalore. The study has indicated a biomass power potential of about 18,000 MWE from the surplus agro residues available in the country, excluding biomass plantation. Further, a potential of 5,000 MW of surplus power generation through optimum bagasse based congeneration has been estimated in the existing sugar mills of the country, with a crushing capacity of 2,500 Tonnes Cane Crushed per Day (TCD).

†Original notice of the question was received in Hindi.

(c) A cumulative capacity of 1,140 MW including bagasse congeneration, was installed for generation of power from Biomass, till March, 2007.

(d) A target for addition of 1,700 MW capacity, consisting of 500 MW of biomass power projects and 1,200 MW of bagasse congeneration projects has been proposed during XIth plan period *i.e.* upto 2012.

Setting up of power plant in Madhya Pradesh and Uttar Pradesh

1409. SHRI KALRAJ MISHRA: Will the Minister of POWER be pleased to state:

(a) whether there are proposals for setting up of power plants, including gas based power plants, in Madhya Pradesh and Uttar Pradesh;

(b) whether there are other proposals for additional power supply to the power starved areas of these States;

(c) if so, the details thereof and at what stage of consideration or clearance the same stand; and

(d) the steps taken, so far, in that direction?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) The details of power projects envisaged to be developed under State Sector and Private Sector in Madhya Pradesh and Uttar Pradesh during XI Plan are at Statement I and II respectively (*See* below). In the proposed XI Plan capacity addition programme in these two States, none of the projects is envisaged on gas.

(b) to (d) In addition, Madhya Pradesh and Uttar Pradesh will have share in Central Sector projects proposed to be developed in Northern Region and Western Region respectively during the course of XI Plan. In Northern region, Central Sector projects aggregating 10,163 MW have been envisaged for the XI Plan out of which 7813 MW (as on 26.11.2007) is under construction, including Dadri Extension Units 5 & 6 (980 MW) in Uttar Pradesh. Similarly, in Western region out of the proposed Central sector capacity addition of 6240 MW, generation capacity to the tune of 1760 MW (as on 26.11.2007) inculding hydro project of Omkareshwar (520 MW) in Madhya Pradesh has already been commissioned and projects aggregating 3480 MW are under construction. Central Public Sector Undertakings have been asked to complete the ordering of remaining XI Plan projects expeditiously.

Statement-I

Proposed XI Plan capacity addition programme under State and Private Sector in Madhya Pradesh

Sl. No.	Name of Scheme/ Agency	Ultimate Capacity (MW)	Benefit in 11th Plan 2007—12	Brief Status	Type	Commissioning Schedule
1	2	3	4	5	6	7
State Sector						
1.	Barsinghpur Ext. (1x500 MW by MPPGCL)	500	500	Commissioned	Coal	2007-08
2.	Amarkantak (1x210 MW by MPPGCL)	210	210	Under Construction	Coal	2007-08